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Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=7; day=20; hr=9; min=36; sec=32; ms=363; ]

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Application No: 10534780

Version No: 1.0

**Input Set:****Output Set:****Started:** 2009-07-17 10:30:11.660**Finished:** 2009-07-17 10:30:14.041**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 381 ms**Total Warnings:** 30**Total Errors:** 0**No. of SeqIDs Defined:** 30**Actual SeqID Count:** 30

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**Output Set:**

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Error code

Error Description

This error has occurred more than 20 times, will not be displayed

<110> APPLICANT: Performance Plants, Inc.  
 <120> TITLE OF INVENTION: Hydroxypyruvate Reductase Nucleic Acids, Polypeptides, Promoter Elements and Methods of Use Thereof in Plants  
 <130> FILE REFERENCE: 22542-010-061  
 <140> CURRENT APPLICATION NUMBER:10534780  
 <141> CURRENT FILING DATE:2009-07-17  
 <150> PRIOR APPLICATION NUMBER: 60/427,204  
 <151> PRIOR FILING DATE: 2002-11-18  
 <160> NUMBER OF SEQ ID NOS: 30  
 <170> SOFTWARE: PatentIn version 3.2

<210> SEQ ID NO 1  
 <211> LENGTH: 1161  
 <212> TYPE: DNA  
 <213> ORGANISM: Artificial  
 <220> FEATURE:  
 <223> OTHER INFORMATION: Hydroxypyruvate reductase (HPR) nucleic acid sequence  
 <400> SEQUENCE: 1

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gagatatgtc atttgaagaa gacaatcttg tctgtagaag atatcattga tctgatcgga      180
gacaagtgtg atggagtcac cggtcagttg acggaagatt ggggagagac tctgttctca      240
gctttgagca aagctggagg gaaagctttc agtaacatgg ccgttggtta taacaacggt      300
gatgttgaag ctgccaataa gtatggaatt gctgtcggta aactccggg agtggtgact      360
gagacgacgg ctgaactagc tgcttctctt tccttggtg ctgcaagaag aattgttgaa      420
gccgacgaat tcatgagagg tggcttgtag gagggatggc ttcctcatct gtttgtgggg      480
aacttactta aaggacagac tgttgagggt attggagctg gacgtattgg atctgcttat      540
gctagaatga tgggtggaagg gttcaagatg aatttgatct actttgatct ttaccaatcc      600
actcgtcttg agaaatttgt gacagcttat ggacagttct tgaaagcaaa tggagaacaa      660
cctgtgacat ggaaacgagc ttcgtccatg gaggaggtgc tgcgtgaggc tgatctgata      720
agtcttcacc cggtgctgga caaaaccact taccatcttg tcaacaagga gaggcttgcc      780
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gctttggtcg aacatctcaa agagaaccgg atgttccgag ttggtctcga tgtgttcgag      900
gaagagccat tcatgaaacc agggcttgct gatacgaaaa acgctattgt tgttcctcac      960
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ctcggaagag tcaaagggtg cccgatttgg catgaccgga accgagtcga tccattcttg     1080
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 <223> OTHER INFORMATION: encoded HPR protein sequence  
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Leu Val Asp Gln Gly Cys Arg Val Glu Ile Cys His Leu Lys Lys Thr
35             40             45
Ile Leu Ser Val Glu Asp Ile Ile Asp Leu Ile Gly Asp Lys Cys Asp
50             55             60
Gly Val Ile Gly Gln Leu Thr Glu Asp Trp Gly Glu Thr Leu Phe Ser
65             70             75             80

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agtctgtcct	ttaagtaagt	tccccacaaa	cagatgagga	agccatccct	cgtacaagcc		720
acctctcatg	aattcgtcgg	cttcaacaat	tcttcttgca	gcagccaagg	aaagagaagc		780
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gatgactcca	tcacacttgt	ctccgatcag	atcaatgata	tcttctacag	acaagattgt	1020	
cttcttcaaa	tgacatatct	caacgcgaca	accttgggtct	accaagagat	tgatccagcg	1080	
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ttgatgcata	gttgcatact	gcagagttga	gtttggatat	ggccacgtca	gcattatctc	240
gttaccaaaa	cgtaaggtcc	aaactcagat	aatacaaacg	aagcagttct	ttgtcactct	300
atcatcaaca	tatgaaccac	acaaaaaaag	aacaaaatcg	tagataatga	tcatgcaaaa	360
ccgaccgttg	gatcttactt	tcgatttcaa	accacataaa	tcttagtgac	tgagctaaaa	420
aactgaaatt	ttttaaaagg	caagacctcc	tctgtttcca	tattctcacc	acagaagaac	480
tcttgagget	ttctcttttc	tctacatggt	cg			512

<210> SEQ ID NO 5  
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taatgatcat	gcaaaaccga	ccgttggatc	ttactttcga	tttcaaacca	cataaatctt	180
agtgactgag	ctaaaaaact	gaaatttttt	aaaaggcaag	acctcctctg	tttccatatt	240
ctcaccacag	aagaactctt	gaggetttct	cttttctcta	ccatggcg		288

<210> SEQ ID NO 6  
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 <213> ORGANISM: Artificial  
 <220> FEATURE:  
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<210> SEQ ID NO 7  
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 <220> FEATURE:  
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<400> SEQUENCE: 7  
 cgggatcctc atagcttcga aacaggcaa 29

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 <213> ORGANISM: Artificial  
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<210> SEQ ID NO 9  
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 tttaagcttg gagccataga tgcaattcaa 30

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<210> SEQ ID NO 17  
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 <400> SEQUENCE: 17  
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<210> SEQ ID NO 18  
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<210> SEQ ID NO 19  
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<210> SEQ ID NO 21  
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attgcacgca ggttctccgg 20

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 <220> FEATURE:  
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<210> SEQ ID NO 28  
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 <400> SEQUENCE: 30  
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